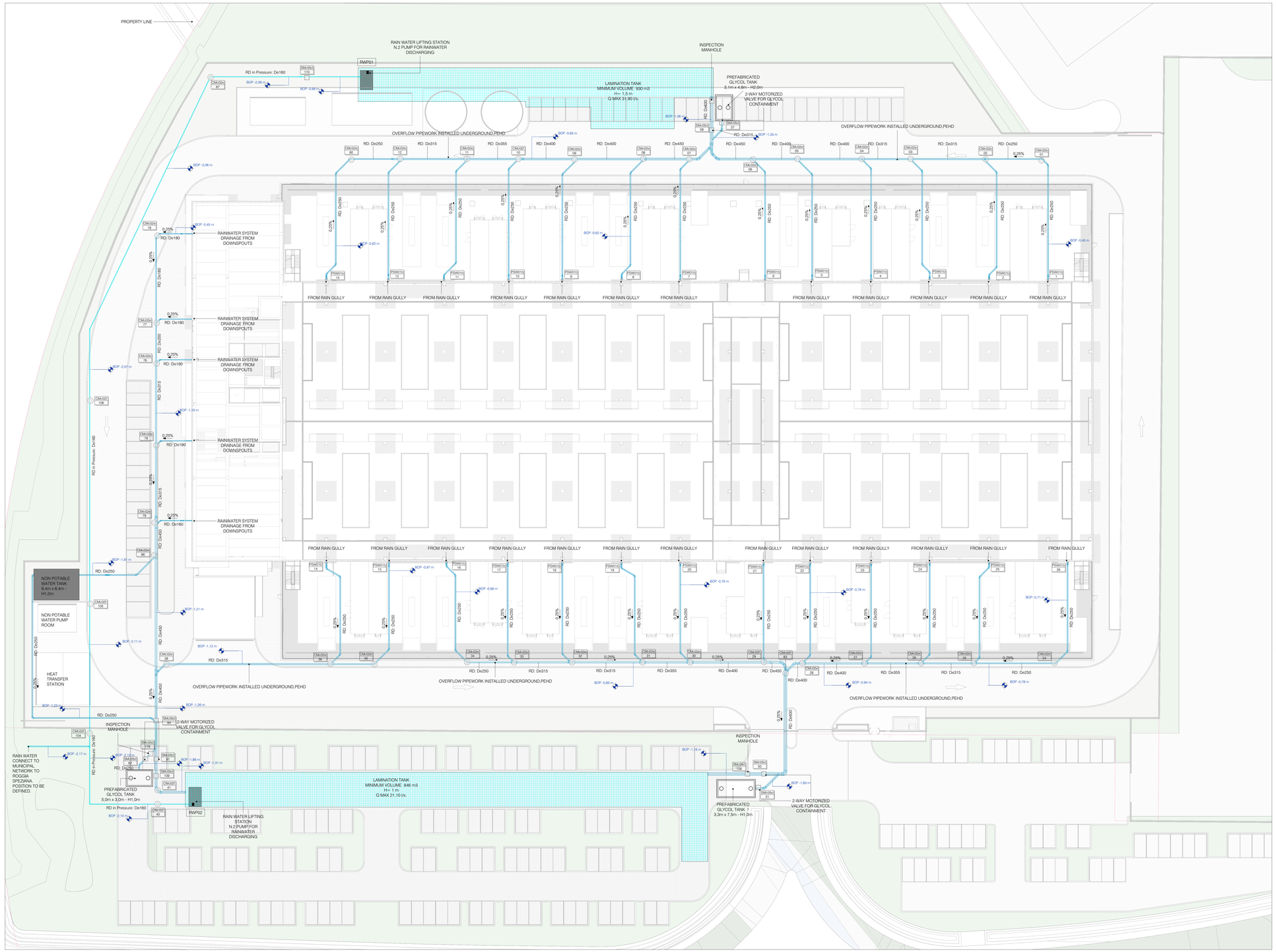
A0 - Do not scale



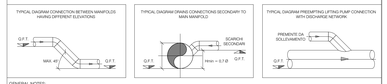
Rainwater Drainage System
1 : 250

DR - Pipe Systems Legend

RD	Rain Water
RD in Pressure	Pressurized Rain Water
BOP	Bottom of Pipe's Quote

NOTES PLUMBING AND DRAINAGE SYSTEMS:

- Supply piping for the water and sanitary utilities within the toilets will be made of multilayer from manifolds.
- In case of supply not derived from manifold, place recessed shut-off taps with cap for each water utility.
- Provide vents at high points and drains (connected to prepared manholes or condotto) at low points, in locations agreed with the DL.
- All drain risers should be equipped with inspectable siphon at the foot, extended above the roof and adequately ventilated.
- Condensate water collection networks must be separate and distinct from those into which they flow by the interposition of permanently wet or dry inspectable odor trap.
- Rainwater collection networks must be separate and distinct from those into which they flow by the interposition of a dry inspectable odor trap.
- Stormwater collection networks shall be separate and distinct from blackwater to the collection sumps located upstream of the Impacts/Siphons/Bruno unit feeding to the public sewer.
- All discharges collected below the level of discharge to the public sewer shall be conveyed to collection and lifting tanks equipped with electric pumps.
- Testing operations should be carried out while keeping the drainage network continuously visible.
- Provide inspection points in manifolds upstream of each confluence, bend or special piece.
- All drainage pipes, primary and secondary, except where otherwise indicated, shall have the following minimum slopes:
  - service drains to sewer risers i=2%
  - blackwater / grease collectors i=1%
  - stormwater / condensate manifolds i=0,5%.



GENERAL NOTES:

- Drawing valid only for mechanical installations under contract.
- Any modifications and locations of materials and equipment are to be verified on site by the contractor, who shall promptly report any interference with existing.
- Any undetected equipment shall be maintained, if necessary, it shall be modified and restored by the contractor.
- Exact locations of equipment, materials, piping, ducts, connection to existing facilities shall be determined by the contractor and submitted to the construction manager.
- The layout of the plants, the dimensions of the components and equipment are indicative only.
- All equipment must be easily maintainable and accessible via trapdoors or similar solutions even where not specifically specified.
- It will be the contractor's responsibility to size and assevarate all supports, in a workmanlike manner and in compliance with all regulatory requirements for earthquake-proofing.
- Construction detail drawings necessary for the proper execution of the work shall be arranged by the contractor.
- The installation of elements in the field must comply with all manufacturers' prescriptions and recommendations, good engineering rules on acoustics and fire prevention.
- The routes of the plant engineering systems, evaluated on the bases of the available documentation, should be re-evaluated and deepened during the works, after plant verification following appropriate surveys of the existing situation.
- The contractor must carefully check the design and report any inaccuracies, incompletenesss or discrepancies with any standard or law.
- Connections between two or more sections of duct both within indoor units and with ducts themselves, shall be made only with installation fittings and not with hammered derivations or detachments. The Contractor shall be responsible for making construction drawings showing the type of derivations and connections between ducts and ducts with the indoor units provided.

S200_Plumbing Fixture Legend

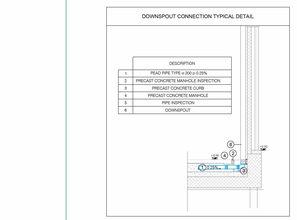
Keynote. Mirror	Type. LXWXH or De-H
PSW01b	L22_PF_Circular Manhole_500x500
CMU02e	L22_PLM_CM_Circular Manhole with closed bottom De1200H1500
CMU02e	L22_PLM_CM_Circular Manhole with closed bottom De1200H2000
CMU02f	L22_PLM_CM_Circular Manhole with closed bottom De1500H2500
SMU05d	L22_PLM_SM_Square Manhole with closed bottom 1200X1200XH1500

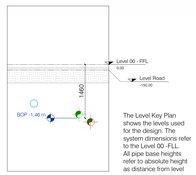
Manhole - Tag

Object code (Keynote. Mirror) → PXXX
Height → XXX YYY → Progressive Number
Object code (Keynote. Mirror) → DXXX
Progressive Number → DXXX

DOWNSPOUT CONNECTION TYPICAL DETAIL

	DESCRIPTION
1	READ PIPE TYPE-d 200 ± 0.25%
2	PRECAST CONCRETE MANHOLE INSPECTION
3	PRECAST CONCRETE CURB
4	PRECAST CONCRETE MANHOLE
5	WYE INSPECTION
6	DOWNSPOUT





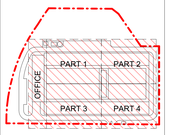
The Level Key Plan shows the levels used for the design. The system dimensions refer to the Level 00 -FLL. All pipe base heights refer to absolute height as distance from level

General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) Quality Procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimetres unless otherwise stated. Validate all measurements on site.
3. Unless shown or specified, details are typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the Engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Contractor to coordinate with other trades on all design package.
8. Contractor to coordinate that distribution trades with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

1000 0 1000 2000 3000 4000
SCALE: 1:100

Key Plan



Rev	Description	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	LGR/GLE/MAC	17/01/2026
P02	STAGE 3 - 60% ISSUE	LGR/GLE/MAC	26/11/2024
P01	STAGE 2 - ISSUES FOR APPROVAL	LGR/GLE/MAC	11/10/2024
Rev	Details	By / Chkd / App	Date

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Project Title
Data Center Stack Campus Siziano (PV)

Drawing Title
Planimetria vasche di laminazione
e tempo di svuotamento MIL08A

Designer
Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 2609

Project Status
VIA (Titolo III, d.lgs. 152/2006)

Discipline
Status Code

Project Number: ME-0046
Scale @ A0: 1:250
Revision: 30/06/2026

Drawing Number
4553-L22-ZZ-ZZZ-TRP-DRW-ME-0046